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OCT 18 2004

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/646,612
Filing Date	August 22, 2003
First Named Inventor	Kenneth COLLINS, et al.
Art Unit	1763
Examiner Name	Unknown
Attorney Docket Number	006915 P04

Total Number of Pages in This Submission

6

**ENCLOSURES (Check all that apply)**

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☒ Amendment/Reply
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/  
Incomplete Application
- ☐ Response to Missing Parts  
under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a  
Provisional Application
- ☐ Power of Attorney, Revocation  
Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) \_\_\_\_\_

- ☐ After Allowance communication  
to Group
- ☐ Appeal Communication to Board  
of Appeals and Interferences
- ☐ Appeal Communication to Group  
(Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☐ Other Enclosure(s) (please  
Identify below):

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Robert M. Wallace	Reg. No. 29,119
Signature	<i>Robert M. Wallace</i>	
Date	10-13-2004	

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Shelly Hart	
Signature	<i>Shelly Hart</i>	Date 10-13-2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

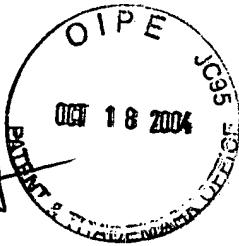
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10-13-04 Date  
[Signature] Name



**PATENT**

**Attorney Docket No.: 006915 P04**  
**RW Ref. No.: APM/001-02-CP1-4**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Kenneth COLLINS, et al.

Serial No.: 10/646,612

Examiner: Unknown

Filed: August 22, 2003

Group Art Unit: 1763

For: PLASMA IMMERSION ION IMPLANTATION PROCESS USING  
A CAPACITIVELY COUPLED PLASMA SOURCE HAVING LOW  
DISSOCIATION AND LOW MINIMUM PLASMA VOLTAGE

**PRELIMINARY AMENDMENT TRANSMITTAL**

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R :

Transmitted herewith is a Preliminary Amendment in the above-identified application. The fee has been calculated as shown below.

	Claims remain- ing after amendment	Highest number previously paid for	Present extra	Rate	Additional Fee
Total Claims	87 minus	87 =	0	x \$18	\$000.00
Independent	1 minus	3 =	0	x \$88	\$000.00
If Multiple Dependent Claims Are Present, Add \$300.00					
(If applicant is a "small entity," subtract half of total)					\$000.00
Total additional fee for this amendment					\$000.00

☒ [X] No additional fee is required.

☐ [] A check in the amount of \$ is attached.

☒ [X] The Commissioner is hereby authorized to charge any additional fees or deficiencies or credit overpayment to Deposit Account No. 50-0338.

Respectfully submitted,



Robert M. Wallace  
Reg. No. 29,119  
**Customer No. 000044843**  
Attorney for Applicants

Dated: 10/13/2004

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on October 13, 2004 (Date of Deposit)  
10-13-04 [Signature]  
Date Name



PATENT

Attorney Docket No. 006915 P04  
RW Ref. No.: APM/001-02-CP1-4

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: :  
Kenneth COLLINS, et al. :  
: Group Art Unit: 1763  
Entitled: PLASMA IMMERSION ION :  
IMPLANTATION PROCESS USING A :  
CAPACITIVELY COUPLED PLASMA SOURCE :  
HAVING LOW DISSOCIATION AND LOW :  
MINIMUM PLASMA VOLTAGE :  
: Examiner: Unknown  
Serial No.: 10/646,612 :  
Filing Date: August 22, 2003 :

**PRELIMINARY AMENDMENT**

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Prior to taking action in this case, please amend the above-identified application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Remarks** begin on page 3 of this paper.